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01-25-02

PTO/SB/01 (11\_00)

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U.S. Patent

Approved for use through 10/31/2002. OMB 0651-0032  
Mark Office: U.S. DEPARTMENT OF COMMERCE

01/23/02

J1185 U.S. PTO

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

BP 2095

First Inventor

Hung Yi Yang

Title

Express Mail Label No.

EV053321642US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 202311. ☐ Fee Transmittal Form (e.g. PTO/SB/17)2. ☐ (submit an original and a duplicate for fee processing)  
Applicant claims small entity status.  
See 37 CFR 1.27.3. ☒ Specification [Total Pages 23]  
(preferred arrangement set forth below)

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R&D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages 5]5. Oath or Declaration [Total Pages 2]

- a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))
- b. ☐ (for continuation/divisional with Box 18 completed)

i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & documents(s))
10. ☒ 37 CFR 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

insert customer no. or attach bar code label here

or ☒ Correspondence address below

Name Timothy W. Markison

Address P.O. Box 160727

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State TX

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Name (Print/Type)

Timothy W. Markison

Registration No. (Atty/Agent)

33,534

Signature

TW Markison

Date

1/17/02

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT (\$)** \$888.00**Complete if Known**

|                      |              |
|----------------------|--------------|
| Application Number   |              |
| Filing Date          |              |
| First Named Inventor | Hung Yu Yang |
| Examiner Name        |              |
| Group Art Unit       |              |
| Atty Docket No.      | BP 2095      |

**METHOD OF PAYMENT**

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

|                        |  |
|------------------------|--|
| Deposit Account Number |  |
| Deposit Account Name   |  |

- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:**

|   |                                      |                                      |                                |
|---|--------------------------------------|--------------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> Check | <input type="checkbox"/> Credit card | <input type="checkbox"/> Money Order | <input type="checkbox"/> Other |
|---|--------------------------------------|--------------------------------------|--------------------------------|

**FEE CALCULATION****BASIC FILING FEE**

| Fee Description        | Fee Paid           |
|------------------------|--------------------|
| Utility filing fee     | 740.00             |
| Design filing fee      |                    |
| Plant filing fee       |                    |
| Reissue filing fee     |                    |
| Provisional filing fee |                    |
| <b>SUBTOTAL(1)</b>     | <b>(\$)</b> 740.00 |

**2. EXTRA CLAIM FEES**

Fee From Below

| Extra Claims       |    | Fee Paid              |
|--------------------|----|-----------------------|
| Total Claims       | 26 | -20** 6 X 18 = 108.00 |
| Independent Claims | 3  | -3** 0 X 84 = 0.00    |
| Multiple Dependent |    |                       |

**Fee Description**

Claims in excess of 20

Independent claims in excess of 3

\*\*Reissue independent claims over original patent

\*\*Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$) 108.00


\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3.. ADDITIONAL FEES****Fee Description**

|  |                |
|--|----------------|
| Surcharge-late filing fee or oath  |                |
| Surcharge- late provisional filing fee or cover sheet                      |                |
| Non-english specifications   |                |
| For filing a request for ex parte reexamination                            |                |
| Requesting publication of SIR prior to Examiner action                     |                |
| Requesting publication of SIR after Examiner action                        |                |
| Extension for reply within first month                                     |                |
| Extension for reply within second month                                    |                |
| Extension for reply within third month                                     |                |
| Extension for reply within fourth month                                    |                |
| Extension for reply within fifth month                                     |                |
| Notice of Appeal   |                |
| Filing a brief in support of appeal  |                |
| Request for oral hearing   |                |
| Petition to institute a public use proceeding                              |                |
| Petition to revive - unavoidable   |                |
| Petition to revive unintentional   |                |
| Utility Issue Fee (or reissue)   |                |
| Design Issue Fee   |                |
| Plant Issue Fee  |                |
| Petitions to the Commissioner  |                |
| Processing fee under 37 CFR 1.17(q)  |                |
| Submissions of Information Disclosure Stmt                                 |                |
| Recording each patent assignment per property (times number of properties) | \$40.00        |
| Filing a submission after final rejection (37 CFR 1.129(a))                |                |
| For each additional invention to be examined (37 CFR 1.129(b))             |                |
| Request for Continued Examination (RCE)                                    |                |
| Request for expedited Examination of design application                    |                |
| Other fee (specify)  |                |
| Reduced by Basic Filing Fee Paid   |                |
| <b>SUBTOTAL (3)</b>  | <b>\$40.00</b> |

**SUBMITTED BY**

Complete (if applicable)

|                   |   |                                   |        |           |                |
|-------------------|---|-----------------------------------|--------|-----------|----------------|
| Name (Print Type) | Timothy W. Markison   | Registration No. (Attorney Agent) | 33,534 | Telephone | (512) 342-0612 |
| Signature         |  |                                   | Date   | 1/17/02   |                |

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

**Certificate Under 37 C.F.R. § 3.73(b)**Applicants: **Hung Yu David Yang, Jesse A. Castaneda, and Reza Rofougaran**

Application No.:

Filing Date:

Entitled: **ON-CHIP TRANSFORMER BALUN****Broadcom Corporation**  
(Name of Assignee)**a, California Corporation**  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date:

January 14, 2002

Name:

William J. Ruehle

Title:

Vice President and Chief Financial Officer

Signature:

